

Grade 6 Ratios & Proportions Mixed Review

Ratios & Proportions • Grade 6 • Mixed Review • Set A • CCSS 6.RP.3

Name: _____

Date: _____

Solve each problem. Read carefully — the problems change shape as you go.

1. $2:7 = 4: \underline{\hspace{1cm}}$

2. Simplify the ratio 45:36.

3. \$540.00 for 10 items = \$ per item

4. In a class of 8 students, 7 are boys. What is the ratio of boys to girls?

5. Write the ratio 27:50 as a percent.

6. A ratio table starts 9 : 7, then 36 : 28. Fill in the next row where the first number is 72.

7. $9:5 = 54: \underline{\hspace{1cm}}$

8. Simplify the ratio 42:28.

9. 78 miles in 3 hours = ____ miles per hour

10. In a class of 12 students, 7 are boys. What is the ratio of boys to girls?

11. Write the ratio 7:25 as a percent.

12. A ratio table starts 9 : 3, then 36 : 12. Fill in the next row where the first number is 63.

13. 7:3 = ____:24

14. Simplify the ratio 18:45.

15. \$14.00 for 7 items = \$____ per item

16. In a class of 7 students, 6 are boys. What is the ratio of boys to girls?

17. Write the ratio 1:5 as a percent.

18. A ratio table starts 2 : 10, then 8 : 40. Fill in the next row where the first number is 14.

19. $3:6 = \underline{\hspace{1cm}}:42$

20. Simplify the ratio 14:18.

21. 95 pages in 5 days = pages per day

22. In a class of 12 students, 5 are boys. What is the ratio of boys to girls?

23. Write the ratio 1:10 as a percent.

24. A ratio table starts 4 : 7, then 8 : 14. Fill in the next row where the first number is 20.

25. $8:2 = \underline{\hspace{1cm}}:12$

26. Simplify the ratio 21:35.

27. 52 pages in 2 days = ____ pages per day

28. In a class of 15 students, 8 are boys. What is the ratio of boys to girls?

29. Write the ratio 10:25 as a percent.

30. A ratio table starts 7 : 10, then 14 : 20. Fill in the next row where the first number is 42.

Answer Key

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1. 14	11. 28%	21. 19
2. 5:4	12. 63 : 21	22. 5:7
3. 54.00	13. 56	23. 10%
4. 7:1	14. 2:5	24. 20 : 35
5. 54%	15. 2.00	25. 48
6. 72 : 56	16. 6:1	26. 3:5
7. 30	17. 20%	27. 26
8. 3:2	18. 14 : 70	28. 8:7
9. 26	19. 21	29. 40%
10. 7:5	20. 7:9	30. 42 : 60